

**DS-2CD2743G2-IZS**

**4 MP AcuSense Motorized Varifocal Dome Network Camera**

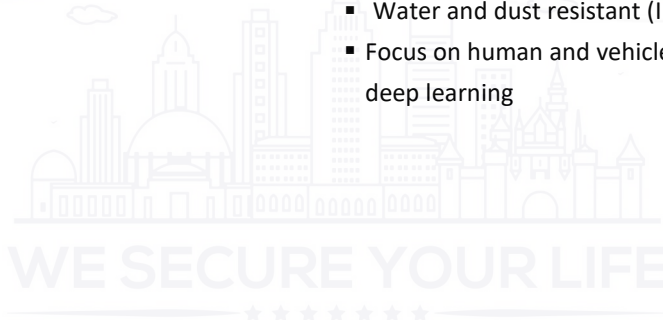
AcuSense



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 4 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Focus on human and vehicle targets classification based on deep learning

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## ▪ Specification

| Camera                      |                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                     |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on                                                                            |
| Shutter Speed               | 1/3 s to 1/100,000 s                                                                                                           |
| Slow Shutter                | Yes                                                                                                                            |
| P/N                         | P/N                                                                                                                            |
| Wide Dynamic Range          | 120 dB                                                                                                                         |
| Day & Night                 | ICR Cut                                                                                                                        |
| Angle Adjustment            | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°                                                                           |
| Lens                        |                                                                                                                                |
| Lens Type & FOV             | 2.8 to 12 mm, horizontal FOV 95.8° to 29.2°, vertical FOV 50.6° to 16.4°, diagonal FOV 114.6° to 33.4°                         |
| Aperture                    | F1.6                                                                                                                           |
| Lens Mount                  | Ø14                                                                                                                            |
| DORI                        |                                                                                                                                |
| DORI                        | 2.8 to 12 mm: D: 64 m to 200 m, O: 25.4 m to 79.4 m, R: 12.8 m to 40 m, I: 6.4 m to 20 m                                       |
| Illuminator                 |                                                                                                                                |
| IR Range                    | Up to 40 m                                                                                                                     |
| Wavelength                  | 850 nm                                                                                                                         |
| Video                       |                                                                                                                                |
| Max. Resolution             | 2688 × 1520                                                                                                                    |
| Main Stream                 | 50Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                     |
| Sub Stream                  | 50Hz: 25 fps (640 × 480, 640 × 360)<br>60Hz: 30 fps (640 × 480, 640 × 360)                                                     |
| Third Stream                | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264                           |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                              |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                                     |
| H.265 Type                  | Main Profile                                                                                                                   |
| H.264+                      | Main Stream supports                                                                                                           |
| H.265+                      | Main Stream supports                                                                                                           |
| Bit Rate Control            | CBR/VBR                                                                                                                        |
| Scalable Video Coding (SVC) | Yes                                                                                                                            |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream                                                                                  |
| Audio                       |                                                                                                                                |
| Environment Noise Filtering | Yes                                                                                                                            |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz                                                                                            |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC                                                                            |

|                               |                                                                                                                                                                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Bit Rate                | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC)/32-192Kbps(MP2L2)/8-320Kbps(MP3)                                                                                                                                     |
| <b>Network</b>                |                                                                                                                                                                                                                                                   |
| Simultaneous Live View        | Up to 6 channels                                                                                                                                                                                                                                  |
| API                           | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK                                                                                                                                                                                   |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE                                                                                                                |
| User/Host                     | Up to 32 users. 3 user levels: administrator, operator and user                                                                                                                                                                                   |
| Security                      | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface                  |
| Network Storage               | MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS(NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                           |
| Client                        | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                               |
| Web Browser                   | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view : Chrome 57.0+, Firefox 52.0+<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                                    |
| <b>Image</b>                  |                                                                                                                                                                                                                                                   |
| Day/Night Switch              | Day, Night, Auto, Schedule                                                                                                                                                                                                                        |
| Image Enhancement             | BLC, HLC, 3D DNR                                                                                                                                                                                                                                  |
| Image Parameters Switch       | Yes                                                                                                                                                                                                                                               |
| Image Settings                | Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                                                                                      |
| <b>Interface</b>              |                                                                                                                                                                                                                                                   |
| Audio                         | -S: 1 input (line in), max. input amplitude: 3.3 vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium;<br>1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium |
| Alarm                         | -S: 1 input, 1 output (max. 12 VDC, 30 mA)                                                                                                                                                                                                        |
| On-board Storage              | Built-in micro SD, up to 256 GB                                                                                                                                                                                                                   |
| Hardware Reset                | Yes                                                                                                                                                                                                                                               |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                       |
| <b>Event</b>                  |                                                                                                                                                                                                                                                   |
| Basic Event                   | Motion detection (human and vehicle targets classification), video tampering alarm, exception                                                                                                                                                     |
| Face Detection                | Yes                                                                                                                                                                                                                                               |
| <b>Deep Learning Function</b> |                                                                                                                                                                                                                                                   |
| Perimeter Protection          | Line crossing detection, intrusion detection<br>Supports human and vehicle targets classification                                                                                                                                                 |
| <b>General</b>                |                                                                                                                                                                                                                                                   |
| Linkage Method                | Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email                                                                                                                                                 |

|                                  |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Client Language              | 33 languages<br>English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| General Function                 | Anti-flicker, heartbeat, password reset via e-mail, pixel counter                                                                                                                                                                                                                                                                                       |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                               |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                               |
| Power Supply                     | 12 VDC $\pm$ 25%, reverse polarity protection<br>PoE: 802.3af, Class 3                                                                                                                                                                                                                                                                                  |
| Power Consumption and Current    | 12 VDC, 0.88 A, max. 10.5 W<br>PoE: (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W                                                                                                                                                                                                                                                              |
| Power Interface                  | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                                                                                                              |
| Material                         | Upper cover and base: metal<br>Bubble: plastic                                                                                                                                                                                                                                                                                                          |
| Camera Dimension                 | Ø153.3 × 111.6 mm (Ø6.1" × 4.4")                                                                                                                                                                                                                                                                                                                        |
| Package Dimension                | 244 × 174 × 173 mm (9.7" × 6.9" × 6.9")                                                                                                                                                                                                                                                                                                                 |
| Camera Weight                    | Approx. 880 g (1.9 lb.)                                                                                                                                                                                                                                                                                                                                 |
| With Package Weight              | Approx. 1419 g (3.1 lb.)                                                                                                                                                                                                                                                                                                                                |
| <b>Approval</b>                  |                                                                                                                                                                                                                                                                                                                                                         |
| EMC                              | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)                                                                                                                                  |
| Safety                           | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)                                                                                                                                                                                           |
| Environment                      | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                                                                                                                                                                                           |
| Protection                       | IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)                                                                                                                                                                                                                                                                                                            |

### ▪ Available Model

DS-2CD2743G2-IZS (2.8 to 12 mm)

DS-2CD2743G2-IZS (2.8 to 12 mm)(Black)

### ▪ Typical Application

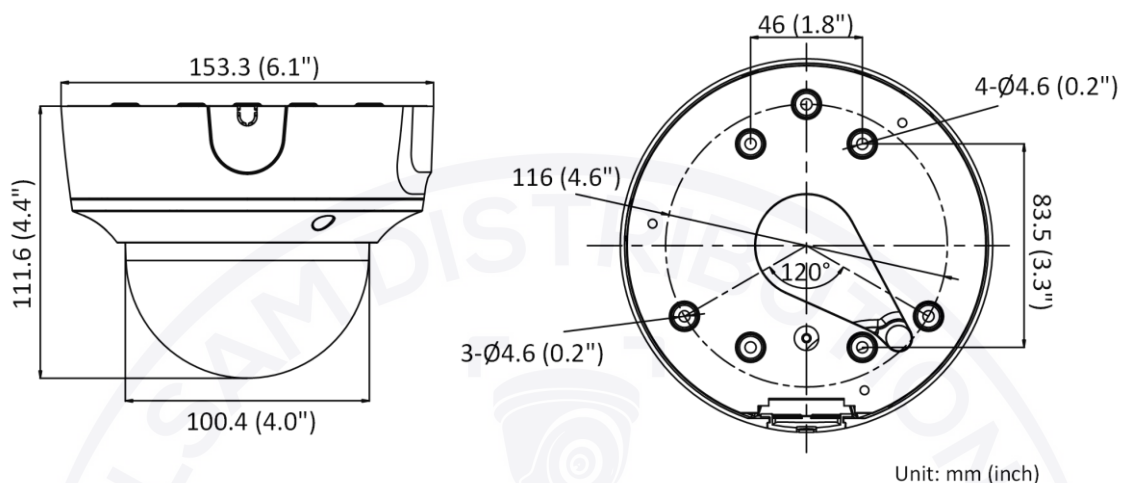
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level                | Description                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |

|                        |                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.                                                                                                                                  |

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

| CB155<br>Junction Box                                                               | WML+PC155<br>Wall Mount                                                             | PM<br>Vertical Pole Mount                                                           | CM<br>Corner Mount                                                                    | CPM+PC155<br>Pendant Mount                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| RCM-DM44<br>Pendant Mount                                                           | WMLB+PC155B<br>Wall Mount                                                           | CB155B<br>Junction Box                                                              |                                                                                       |                                                                                       |
|  |  |  |                                                                                       |                                                                                       |



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